Proposed Maximum Residue Limit PMRL2008-39

Fenamidone

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of a new use on bulb vegetables (Crop Group 3; see Appendix I) to the product label of Reason 500SC Fungicide, containing technical grade fenamidone, is acceptable. The specific use approved in Canada is detailed on the label of Reason 500SC Fungicide, *Pest Control Products Act* Registration Number 27462.

The evaluation of this fenamidone application indicated that the end-use product has merit and value and that the human health and environmental risks associated with the new use are acceptable. Details regarding the registration can be found in the corresponding Evaluation Report that is available on the PMRA website, under Public Registry, Product Information, Current Applications.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not pose an unacceptable health risk. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

MRLs for fenamidone on dry bulb onions (0.2 ppm) and green onions (1.5 ppm) are already established and this action proposes MRLs for the remaining commodities in the crop group.

Consultation on the proposed MRLs for fenamidone is being conducted via this document (see Next Steps).

The proposed MRLs for fenamidone in Canada in or on food, to be added to those MRLs already legally established, are as follows.

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[1] The relevant report can be accessed by selecting the Programs and Special Actions/Minor Use/Historical tab and opening the first Evaluation Report found under Application Number 2008-0109.

Table 1 Proposed Maximum Residue Limits for Fenamidone

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Fenamidone	*(5S)*-3,5-dihydro-5-methyl-2-(methylthio)-5-phenyl-3-(phenylamino)-4*H*-imidazol-4-one	1.5	Beltsville bunching onions, elegans hosta, fresh Chinese chive leaves, fresh chive leaves, fresh onions, fritillaria leaves, kurrats, lady's leeks, leeks, macrostem onions, shallot leaves, tree onion tops, Welsh onion tops, wild leeks
		0.2	Chinese onions, daylilies, fritillaria bulbs, garlic, great headed garlic, lilies, pearl onions, potato onions, serpent garlic, shallot bulbs

A complete list of all MRLs established in Canada can be found on the PMRA's MRL webpage.

International Situation and Trade Implications

As per Table 2, the proposed Canadian MRLs for bulb vegetable commodities are consistent with tolerances established in the United states for select commodities within the expanded crop group (tolerances listed in 40 CFR Part 180 by pesticide). Currently, Codex[2] MRLs have not been established for fenamidone on any commodity (Codex MRLs are searchable by pesticide or commodity).

[2] Codex is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)		Codex MRL (ppm)
Beltsville bunching onions, elegans hosta, fresh Chinese chive leaves, fresh chive leaves, fresh onions, fritillaria leaves, kurrats, lady's leeks, leeks, macrostem onions, shallot leaves, tree onion tops, Welsh onion tops, wild leeks	1.5	1.5	Established on: Leek Onion, green Onion, Welsh Shallot, fresh leaves	No Codex MRL established
Chinese onions, daylilies, fritillaria bulbs, garlic, great headed garlic, lilies, pearl onions, potato onions, serpent garlic, shallot bulbs	0.2	0.2	Established on: Garlic, bulb Garlic, great-headed Onion, bulb Shallot, bulb	No Codex MRL established

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for fenamidone up to 75 days from the date of publication of this document. Please forward your comments to Publications (see contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for fenamidone and posting an Established Maximum Residue Limit (EMRL) document on the PMRA's website.

Appendix I

Crop Groups: Numbers and Definitions

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
Subgroup 3-07A	Bulb vegetables/ Bulb onion subgroup	Chinese onions Daylilies Dry bulb onions Fritillaria bulbs Garlic Great headed garlic Lilies Pearl onions Potato onions Serpent garlic Shallot bulbs
Subgroup 3-07B	Bulb vegetables/ Green onion subgroup	Beltsville bunching onions Fresh Chinese chive leaves Fresh chive leaves Elegans hosta Fresh onions Fritillaria leaves Green onions Kurrats Lady's leeks Leeks Macrostem onions Shallot leaves Tree onion tops Welsh onion tops Wild leeks